

API v1 Documentation

Overview

This document provides comprehensive API documentation for the Magnet e-commerce platform's v1 endpoints. The API is organized into three main sections: User, Business, and Dashboard routes.

Base URL: `/api/v1`

Authentication

Most endpoints require authentication via JWT token in the Authorization header:

```
Authorization: Bearer <your-jwt-token>
```

Role-Based Access Control

- **Customer:** Regular users who can browse products, place orders, and manage their profile
- **Business:** Business users who can manage their products, view their orders, and handle reviews
- **Admin/Employee:** Administrative users with full system access

User Routes (`/api/v1/user`)

Authentication (`/api/v1/user/auth`)

Register User

- **POST** `/api/v1/user/auth/register`
- **Description:** Register a new customer account
- **Authentication:** None required
- **Body:**

```
{
  "firstname": "string",
  "lastname": "string",
  "email": "string",
  "phone": "string",
  "password": "string",
  "country": "string",
  "language": "string"
}
```

Business Registration Request

- **POST** /api/v1/user/auth/business-request
- **Description:** Submit a business registration request
- **Authentication:** None required
- **Body:**

```
{
  "firstname": "string",
  "lastname": "string",
  "email": "string",
  "phone": "string",
  "password": "string",
  "businessName": "string",
  "businessType": "string",
  "businessDescription": "string",
  "country": "string",
  "language": "string"
}
```

Login

- **POST** /api/v1/user/auth/login
- **Description:** Authenticate user with email/phone and password
- **Authentication:** None required
- **Body:**

```
{
  "identifier": "string (email or phone)",
  "password": "string"
}
```

Send Email OTP

- **POST** /api/v1/user/auth/send-email-otp
- **Description:** Send OTP verification code to email
- **Authentication:** None required
- **Body:**

```
{
  "email": "string"
}
```

Send Phone OTP

- **POST** /api/v1/user/auth/send-phone-otp

- **Description:** Send OTP verification code to phone
- **Authentication:** None required
- **Body:**

```
{  
  "phone": "string"  
}
```

Confirm OTP

- **POST** /api/v1/user/auth/confirm-otp
- **Description:** Verify OTP code
- **Authentication:** None required
- **Body:**

```
{  
  "identifier": "string (email or phone)",  
  "otp": "string"  
}
```

Login with OTP

- **POST** /api/v1/user/auth/login-with-otp
- **Description:** Login using OTP instead of password
- **Authentication:** None required
- **Body:**

```
{  
  "identifier": "string (email or phone)"  
}
```

Confirm Login OTP

- **POST** /api/v1/user/auth/confirm-login-otp
- **Description:** Complete OTP login process
- **Authentication:** None required
- **Body:**

```
{  
  "identifier": "string (email or phone)",  
  "otp": "string"  
}
```

Change Password

- **POST** `/api/v1/user/auth/password`
- **Description:** Change user password
- **Authentication:** Required (Customer)
- **Body:**

```
{
  "currentPassword": "string",
  "newPassword": "string"
}
```

Profile (`/api/v1/user/profile`)

Get Profile

- **GET** `/api/v1/user/profile`
- **Description:** Get current customer profile
- **Authentication:** Required (Customer)

Update Profile

- **PUT** `/api/v1/user/profile`
- **Description:** Update current customer profile
- **Authentication:** Required (Customer)
- **Body:**

```
{
  "firstname": "string",
  "lastname": "string",
  "email": "string",
  "phone": "string",
  "country": "string",
  "language": "string"
}
```

Products (`/api/v1/user/products`)

Get All Products

- **GET** `/api/v1/user/products`
- **Description:** Get all approved and allowed products (protected public endpoint)
- **Authentication:** Required
- **Query Parameters:**
 - `page` (optional): Page number
 - `limit` (optional): Items per page

- **category** (optional): Filter by category
- **search** (optional): Search term

Get Product by ID

- **GET** `/api/v1/user/products/:id`
- **Description:** Get specific product details
- **Authentication:** Required

Orders (`/api/v1/user/orders`)

Get All Orders

- **GET** `/api/v1/user/orders`
- **Description:** Get all customer's orders
- **Authentication:** Required (Customer)
- **Query Parameters:**
 - **page** (optional): Page number
 - **limit** (optional): Items per page
 - **status** (optional): Filter by order status

Get Order by ID

- **GET** `/api/v1/user/orders/:id`
- **Description:** Get specific customer's order
- **Authentication:** Required (Customer)

Create Order

- **POST** `/api/v1/user/orders/order`
- **Description:** Create a new order
- **Authentication:** Required (Customer)
- **Body:**

```
{
  "items": [
    {
      "productId": "string",
      "quantity": "number",
      "price": "number"
    }
  ],
  "shippingAddress": "string",
  "paymentMethod": "string",
  "notes": "string"
}
```

Update Order

- **PUT** `/api/v1/user/orders/order/:id`
- **Description:** Update existing order
- **Authentication:** Required (Customer)
- **Body:**

```
{
  "items": "array",
  "shippingAddress": "string",
  "paymentMethod": "string",
  "notes": "string"
}
```

Cancel Order

- **PUT** `/api/v1/user/orders/order/:id/cancel`
- **Description:** Cancel order before shipment
- **Authentication:** Required (Customer)

Addresses (`/api/v1/user/addresses`)

Get All Addresses

- **GET** `/api/v1/user/addresses`
- **Description:** Get all customer's addresses
- **Authentication:** Required (Customer)

Get Address by ID

- **GET** `/api/v1/user/addresses/:id`
- **Description:** Get specific customer's address
- **Authentication:** Required (Customer)

Create Address

- **POST** `/api/v1/user/addresses/address`
- **Description:** Create a new address
- **Authentication:** Required (Customer)
- **Body:**

```
{
  "street": "string",
  "city": "string",
  "state": "string",
  "zipCode": "string",
  "country": "string",
  "isDefault": "boolean"
}
```

Update Address

- **PUT** `/api/v1/user/addresses/address/:id`
- **Description:** Update existing address
- **Authentication:** Required (Customer)
- **Body:**

```
{
  "street": "string",
  "city": "string",
  "state": "string",
  "zipCode": "string",
  "country": "string",
  "isDefault": "boolean"
}
```

Delete Address

- **DELETE** `/api/v1/user/addresses/address/:id`
- **Description:** Delete existing address
- **Authentication:** Required (Customer)

Wishlists (`/api/v1/user/wishlists`)

Get Wishlist

- **GET** `/api/v1/user/wishlists`
- **Description:** Get customer's wishlist
- **Authentication:** Required (Customer)

Toggle Wishlist Item

- **PUT** `/api/v1/user/wishlist`
- **Description:** Add product if not exists, remove if exists
- **Authentication:** Required (Customer)
- **Body:**

```
{
  "productId": "string"
}
```

Business Routes (`/api/v1/business`)

Products (`/api/v1/business/products`)

Get Business Products

- **GET** `/api/v1/business/products`
- **Description:** Get all products belonging to the business user
- **Authentication:** Required (Business)
- **Query Parameters:**
 - `page` (optional): Page number
 - `limit` (optional): Items per page
 - `status` (optional): Filter by product status

Get Product by ID

- **GET** `/api/v1/business/products/:id`
- **Description:** Get specific product details
- **Authentication:** Required (Business)

Create Product

- **POST** `/api/v1/business/products/product`
- **Description:** Create a new product
- **Authentication:** Required (Business)
- **Body:**

```
{
  "name": "string",
  "description": "string",
  "price": "number",
  "categoryId": "string",
  "images": "array",
  "stock": "number",
  "isAllowed": "boolean"
}
```

Update Product

- **PUT** `/api/v1/business/products/product/:id`
- **Description:** Update existing product
- **Authentication:** Required (Business)
- **Body:**

```
{
  "name": "string",
  "description": "string",
  "price": "number",
  "categoryId": "string",
  "images": "array",
  "stock": "number",
}
```



```
"isAllowed": "boolean"  
}
```

Delete Product

- **DELETE** `/api/v1/business/products/product/:id`
- **Description:** Delete product
- **Authentication:** Required (Business)

Toggle Product

- **PUT** `/api/v1/business/products/product/:id/toggle`
- **Description:** Toggle allow/disallow product
- **Authentication:** Required (Business)

Orders (`/api/v1/business/orders`)

Get Business Orders

- **GET** `/api/v1/business/orders`
- **Description:** Get orders containing business user's products only
- **Authentication:** Required (Business)
- **Query Parameters:**
 - `page` (optional): Page number
 - `limit` (optional): Items per page
 - `status` (optional): Filter by order status

Get Order by ID

- **GET** `/api/v1/business/orders/:id`
- **Description:** Get specific order containing business products
- **Authentication:** Required (Business)

Reviews (`/api/v1/business/reviews`)

Get Business Reviews

- **GET** `/api/v1/business/reviews`
- **Description:** Get all reviews for business user's products
- **Authentication:** Required (Business)
- **Query Parameters:**
 - `page` (optional): Page number
 - `limit` (optional): Items per page
 - `productId` (optional): Filter by product

Get Review by ID

- **GET** `/api/v1/business/reviews/:id`

- **Description:** Get specific review details
- **Authentication:** Required (Business)

Profile (</api/v1/business/profile>)

Get Business Profile

- **GET** </api/v1/business/profile>
- **Description:** Get business user profile
- **Authentication:** Required (Business)

Update Business Profile

- **PUT** </api/v1/business/profile>
- **Description:** Update business user profile
- **Authentication:** Required (Business)
- **Body:**

```
{
  "firstname": "string",
  "lastname": "string",
  "email": "string",
  "phone": "string",
  "businessName": "string",
  "businessType": "string",
  "businessDescription": "string",
  "country": "string",
  "language": "string"
}
```

Dashboard Routes (</api/v1/dashboard>)

All dashboard routes require Admin or Employee authentication

Users (</api/v1/dashboard/users>)

Get All Users

- **GET** </api/v1/dashboard/users>
- **Description:** Get all users with pagination and filtering
- **Authentication:** Required (Admin/Employee)
- **Query Parameters:**
 - **page** (optional): Page number
 - **limit** (optional): Items per page
 - **role** (optional): Filter by user role
 - **search** (optional): Search term
 - **isAllowed** (optional): Filter by allowed status

Get User by ID

- **GET** `/api/v1/dashboard/users/:id`
- **Description:** Get specific user details
- **Authentication:** Required (Admin/Employee)

Create User

- **POST** `/api/v1/dashboard/users/user`
- **Description:** Create a new user
- **Authentication:** Required (Admin/Employee)
- **Body:**

```
{
  "firstname": "string",
  "lastname": "string",
  "email": "string",
  "phone": "string",
  "password": "string",
  "role": "string",
  "country": "string",
  "language": "string"
}
```

Update User

- **PUT** `/api/v1/dashboard/users/user/:id`
- **Description:** Update existing user
- **Authentication:** Required (Admin/Employee)
- **Body:**

```
{
  "firstname": "string",
  "lastname": "string",
  "email": "string",
  "phone": "string",
  "role": "string",
  "country": "string",
  "language": "string",
  "isAllowed": "boolean"
}
```

Toggle User

- **PUT** `/api/v1/dashboard/users/user/:id/toggle`
- **Description:** Toggle user allow/disallow status

- **Authentication:** Required (Admin/Employee)

Delete User

- **DELETE** `/api/v1/dashboard/users/user/:id`
- **Description:** Delete user
- **Authentication:** Required (Admin/Employee)

Products (`/api/v1/dashboard/products`)

Get All Products

- **GET** `/api/v1/dashboard/products`
- **Description:** Get all products with pagination and filtering
- **Authentication:** Required (Admin/Employee)
- **Query Parameters:**
 - `page` (optional): Page number
 - `limit` (optional): Items per page
 - `category` (optional): Filter by category
 - `businessId` (optional): Filter by business user
 - `status` (optional): Filter by approval status

Get Product by ID

- **GET** `/api/v1/dashboard/products/:id`
- **Description:** Get specific product details
- **Authentication:** Required (Admin/Employee)

Create Product

- **POST** `/api/v1/dashboard/products/product`
- **Description:** Create product for specific business user
- **Authentication:** Required (Admin/Employee)
- **Body:**

```
{
  "name": "string",
  "description": "string",
  "price": "number",
  "categoryId": "string",
  "businessId": "string",
  "images": "array",
  "stock": "number"
}
```

Update Product

- **PUT** /api/v1/dashboard/products/product/:id
- **Description:** Update product for specific business user
- **Authentication:** Required (Admin/Employee)
- **Body:**

```
{
  "name": "string",
  "description": "string",
  "price": "number",
  "categoryId": "string",
  "images": "array",
  "stock": "number"
}
```

Delete Product

- **DELETE** /api/v1/dashboard/products/product/:id
- **Description:** Delete product
- **Authentication:** Required (Admin/Employee)

Approve Product

- **PUT** /api/v1/dashboard/products/product/:id/approve
- **Description:** Approve product
- **Authentication:** Required (Admin/Employee)

Decline Product

- **PUT** /api/v1/dashboard/products/product/:id/decline
- **Description:** Decline product
- **Authentication:** Required (Admin/Employee)

Toggle Product

- **PUT** /api/v1/dashboard/products/product/:id/toggle
- **Description:** Toggle allow/disallow product
- **Authentication:** Required (Admin/Employee)

Get Product Reviews

- **GET** /api/v1/dashboard/products/:id/reviews
- **Description:** Get all reviews for specific product
- **Authentication:** Required (Admin/Employee)

Get Product Orders

- **GET** /api/v1/dashboard/products/:id/orders

- **Description:** Get all orders containing specific product
- **Authentication:** Required (Admin/Employee)

Get Product Review by ID

- **GET** `/api/v1/dashboard/products/:productId/reviews/:reviewId`
- **Description:** Get specific product review
- **Authentication:** Required (Admin/Employee)

Get Product Order by ID

- **GET** `/api/v1/dashboard/products/:productId/orders/:orderId`
- **Description:** Get specific product order
- **Authentication:** Required (Admin/Employee)

Categories (`/api/v1/dashboard/categories`)

Get All Categories

- **GET** `/api/v1/dashboard/categories`
- **Description:** Get all categories
- **Authentication:** Required (Admin/Employee)

Get Category by ID

- **GET** `/api/v1/dashboard/categories/:id`
- **Description:** Get specific category details
- **Authentication:** Required (Admin/Employee)

Create Category

- **POST** `/api/v1/dashboard/categories/category`
- **Description:** Create a new category
- **Authentication:** Required (Admin/Employee)
- **Body:**

```
{
  "name": "string",
  "description": "string",
  "isAllowed": "boolean"
}
```

Update Category

- **PUT** `/api/v1/dashboard/categories/category/:id`
- **Description:** Update existing category
- **Authentication:** Required (Admin/Employee)

- **Body:**

```
{
  "name": "string",
  "description": "string",
  "isAllowed": "boolean"
}
```

Delete Category

- **DELETE** `/api/v1/dashboard/categories/category/:id`
- **Description:** Delete category
- **Authentication:** Required (Admin/Employee)

Toggle Category

- **PUT** `/api/v1/dashboard/categories/category/:id/toggle`
- **Description:** Toggle allow/disallow category
- **Authentication:** Required (Admin/Employee)

Orders (`/api/v1/dashboard/orders`)

Get All Orders

- **GET** `/api/v1/dashboard/orders`
- **Description:** Get all orders with pagination and filtering
- **Authentication:** Required (Admin/Employee)
- **Query Parameters:**
 - `page` (optional): Page number
 - `limit` (optional): Items per page
 - `status` (optional): Filter by order status
 - `userId` (optional): Filter by user

Get Order by ID

- **GET** `/api/v1/dashboard/orders/:id`
- **Description:** Get specific order details
- **Authentication:** Required (Admin/Employee)

Create Order

- **POST** `/api/v1/dashboard/orders/order`
- **Description:** Create order for specific user
- **Authentication:** Required (Admin/Employee)
- **Body:**

```
{
  "userId": "string",
  "items": [
    {
      "productId": "string",
      "quantity": "number",
      "price": "number"
    }
  ],
  "shippingAddress": "string",
  "paymentMethod": "string"
}
```

Update Order

- **PUT** `/api/v1/dashboard/orders/order/:id`
- **Description:** Update existing order
- **Authentication:** Required (Admin/Employee)
- **Body:**

```
{
  "items": "array",
  "shippingAddress": "string",
  "paymentMethod": "string",
  "status": "string"
}
```

Delete Order

- **DELETE** `/api/v1/dashboard/orders/order/:id`
- **Description:** Delete order
- **Authentication:** Required (Admin/Employee)

Reviews (`/api/v1/dashboard/reviews`)

Get All Reviews

- **GET** `/api/v1/dashboard/reviews`
- **Description:** Get all reviews with pagination and filtering
- **Authentication:** Required (Admin/Employee)
- **Query Parameters:**
 - `page` (optional): Page number
 - `limit` (optional): Items per page
 - `productId` (optional): Filter by product
 - `userId` (optional): Filter by user

Get Review by ID

- **GET** `/api/v1/dashboard/reviews/:id`
- **Description:** Get specific review details
- **Authentication:** Required (Admin/Employee)

Reject Review

- **PUT** `/api/v1/dashboard/reviews/review/:id`
- **Description:** Reject review
- **Authentication:** Required (Admin/Employee)

Delete Review

- **DELETE** `/api/v1/dashboard/reviews/review/:id`
- **Description:** Delete review
- **Authentication:** Required (Admin/Employee)

Addresses (`/api/v1/dashboard/addresses`)

Get All Addresses

- **GET** `/api/v1/dashboard/addresses`
- **Description:** Get all addresses with pagination and filtering
- **Authentication:** Required (Admin/Employee)
- **Query Parameters:**
 - `page` (optional): Page number
 - `limit` (optional): Items per page
 - `userId` (optional): Filter by user

Get Address by ID

- **GET** `/api/v1/dashboard/addresses/:id`
- **Description:** Get specific address details
- **Authentication:** Required (Admin/Employee)

Create Address

- **POST** `/api/v1/dashboard/addresses/address`
- **Description:** Create address for specific user
- **Authentication:** Required (Admin/Employee)
- **Body:**

```
{
  "userId": "string",
  "street": "string",
  "city": "string",
  "state": "string",
```

```
"zipCode": "string",
"country": "string",
"isDefault": "boolean"
}
```

Update Address

- **PUT** `/api/v1/dashboard/addresses/address/:id`
- **Description:** Update existing address
- **Authentication:** Required (Admin/Employee)
- **Body:**

```
{
  "street": "string",
  "city": "string",
  "state": "string",
  "zipCode": "string",
  "country": "string",
  "isDefault": "boolean"
}
```

Delete Address

- **DELETE** `/api/v1/dashboard/addresses/address/:id`
- **Description:** Delete address
- **Authentication:** Required (Admin/Employee)

Wishlists (`/api/v1/dashboard/wishlists`)

Get All Wishlists

- **GET** `/api/v1/dashboard/wishlists`
- **Description:** Get all wishlists with pagination and filtering
- **Authentication:** Required (Admin/Employee)
- **Query Parameters:**
 - `page` (optional): Page number
 - `limit` (optional): Items per page
 - `userId` (optional): Filter by user

Get Wishlist by ID

- **GET** `/api/v1/dashboard/wishlists/:id`
- **Description:** Get specific wishlist details
- **Authentication:** Required (Admin/Employee)

Create Wishlist

- **POST** `/api/v1/dashboard/wishlists/wishlist`
- **Description:** Create wishlist for specific user
- **Authentication:** Required (Admin/Employee)
- **Body:**

```
{
  "userId": "string",
  "productId": "string"
}
```

Update Wishlist

- **PUT** `/api/v1/dashboard/wishlists/wishlist/:id`
- **Description:** Update existing wishlist
- **Authentication:** Required (Admin/Employee)
- **Body:**

```
{
  "productId": "string"
}
```

Delete Wishlist

- **DELETE** `/api/v1/dashboard/wishlists/wishlist/:id`
- **Description:** Delete wishlist
- **Authentication:** Required (Admin/Employee)

Business Management (`/api/v1/dashboard/business`)

Get All Business Requests

- **GET** `/api/v1/dashboard/business/businesses`
- **Description:** Get all business registration requests
- **Authentication:** Required (Admin/Employee)
- **Query Parameters:**
 - `page` (optional): Page number
 - `limit` (optional): Items per page
 - `status` (optional): Filter by approval status

Get Business Request by ID

- **GET** `/api/v1/dashboard/business/businesses/:id`
- **Description:** Get specific business request details
- **Authentication:** Required (Admin/Employee)

Approve Business Request

- **PUT** </api/v1/dashboard/business/approve>
- **Description:** Approve business registration request
- **Authentication:** Required (Admin/Employee)
- **Body:**

```
{
  "businessId": "string"
}
```

Decline Business Request

- **PUT** </api/v1/dashboard/business/decline>
- **Description:** Decline business registration request
- **Authentication:** Required (Admin/Employee)
- **Body:**

```
{
  "businessId": "string",
  "reason": "string"
}
```

Profile (</api/v1/dashboard/profile>)

Get Admin Profile

- **GET** </api/v1/dashboard/profile>
- **Description:** Get current admin/employee profile
- **Authentication:** Required (Admin/Employee)

Update Admin Profile

- **PUT** </api/v1/dashboard/profile>
- **Description:** Update current admin/employee profile
- **Authentication:** Required (Admin/Employee)
- **Body:**

```
{
  "firstname": "string",
  "lastname": "string",
  "email": "string",
  "phone": "string",
  "country": "string",
}
```

```
"language": "string"
}
```

Response Format

All API responses follow a consistent format:

Success Response

```
{
  "status": "success",
  "message": "Operation completed successfully",
  "data": {
    // Response data here
  },
  "pagination": {
    // Pagination info (when applicable)
    "currentPage": 1,
    "totalPages": 10,
    "totalItems": 100,
    "limit": 10
  }
}
```

Error Response

```
{
  "status": "error",
  "message": "Error description",
  "error": {
    "code": "ERROR_CODE",
    "details": "Additional error details"
  }
}
```

Status Codes

- **200:** OK - Request successful
- **201:** Created - Resource created successfully
- **400:** Bad Request - Invalid request data
- **401:** Unauthorized - Authentication required
- **403:** Forbidden - Insufficient permissions
- **404:** Not Found - Resource not found
- **500:** Internal Server Error - Server error

Rate Limiting

API endpoints are subject to rate limiting to ensure fair usage and system stability. Rate limits may vary by endpoint and user role.

Support

For API support and questions, please contact the development team or refer to the internal documentation.